



**STORMWATER MANAGEMENT PROGRAM ANNUAL REPORT
May 31, 2005**

Coverage Under General SPDES Permit No. GP-02-02

MS4 Name: City of Troy

MS4 County: Rensselaer

NYSDEC Region: 4

MS4 SPDES No.: NYR20A379

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Stormwater Management Program Annual Report

Six Minimum Measures Section

March 10, 2004 – March 9, 2005

Municipality Name: **City of Troy, Department of Public Utilities** SPDES Number: **NYR20A379**

Use this table to summarize your Stormwater Management Program (SWMP) Minimum Measures for Sections I through VI of the SWMPAR. We request that MS4s fill out this table electronically. The table is available in Microsoft Word and Corel WordPerfect, or you may duplicate this table manually. Send two completed **hard copies** (an original and a photocopy) of the previous MCC form, this form and the other SWMPAR reporting requirements to the DEC Central Office (MS4 Permit Coordinator, 625 Broadway, Division of Water - 4th Floor, Albany, NY 12233-3505).

MINIMUM MEASURE 1: Public Education and Outreach in Stormwater Impacts

A. The City of Troy has been continuously improving the public education sector of the program. Much information has been placed on the City website, including the City's program and references to other sources. A public display was set up at the Schaghticoke Fair on methods for protecting water resources. In addition two workshops were held in 2004 for public education on stormwater issues. In the upcoming year the City of Troy in cooperation with the surrounding MS4 Communities are hoping to plan the said workshops plus others for the public to attend.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
List the planned management practices and any additional ones that you worked on.	Any done in the past year?	If YES, describe the measurable goals that were achieved and other accomplishments.	Describe activities that are planned for this minimum measure for next year's SWMP. List the BMPs, measurable goals and provide a schedule/timeline for implementation.
	YES NO		
REQUIRED TECHNIQUES			
Plan and conduct an ongoing public education and outreach program	X	The City's Information Services has set up a portion of the City's website for DPU. Information is included on Stormwater Management and the City's program. There are also references to the EPA and NYSDEC websites.	Create a website educating the general population. Create a public education plan with MS4 Communities. Print and mail out brochures using state grant funds.
ADDITIONAL TECHNIQUES			

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	YES	NO	
	X		A display was set up at the Schaghticoke Fair, which denoted the methods of protecting water resources.

MINIMUM MEASURE 2: Public Involvement/Participation

A. The City of Troy has promoted public involvement and participation by providing educational brochures and annual reports onsite at the Department of Public Utilities. With cooperation of the MS4 Communities there have been two educational workshops held in April for stormwater issues. Rensselaer County joined CDRPC and other counties in two training sessions geared toward public officials on water quality issues, storm water and erosion control. We hope to increase the amount these sessions are held. In addition the City of Troy held it's yearly presentation on Stormwater Management Program.

B. Implementation of Best Management Practices			C. Activities Planned for Upcoming Year
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	YES	NO	
REQUIRED TECHNIQUES			
Public notice and access to documents and information	X		Public notice for the Annual Report presentation made available via press release and website announcement. Access to annual report & educational brochures available at City of Troy, DPU and the website.
Public presentation and comments received on SWMP and annual report	X		Continue to update website with information for public access. Also have hard copies available on site for review.
Public involvement/ Participation program	X		Annual report presentations will occur in May of every year. Announcement of presentation though website and newspaper.
Contact person identified	X		Two educational workshops were held in April 2004 at HVCC and Schodack Town Hall on stormwater issues.
ADDITIONAL TECHNIQUES			Contact person(s): Neil Bonesteel- Chief Water Plant Operator Chris Wheland

MINIMUM MEASURE 3: Illicit Discharge Detection and Elimination

A. Two training sessions were held and geared toward public officials on water quality issues, storm water and erosion control. Discussions of an intermunicipal agreement between communities in Rensselaer County have been started, plus local laws are being reviewed to create consistent laws across community boundaries. The outfall mapping has been reviewed to find the best method to digitally map the MS4 area and beyond using GPS.

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	YES	NO		
REQUIRED ACTIVITIES				
Outfall mapping		X	The MS4 Communities have applied for grant funding for the GPS devices. Outfalls will be mapped using GPS devices. MS4 Communities have reviewed the best method for mapping digitally the outfalls in the MS4 areas and beyond with GPS.	Rensselaer County has agreed to download information from GPS units for mapping. Awaiting grant results.
Illicit discharges prohibited	X		Prohibition of discharging illicit materials is included in the DPU rules and regulations. Storm sewers/catch basins inspected in the Spring of each Year.	
Public, employees, businesses informed of hazards from illicit discharges	X		Employees of the City are informed of hazards of illicit discharges through training. The public will be informed through public meetings/hearings of the SMWP and by mailing informational brochures.	
Illicit discharges identified		X		The City will develop a plan to identify the types of illicit discharges in local area.
ADDITIONAL ACTIVITIES				

MINIMUM MEASURE 4: Construction Site Stormwater Runoff Control

A. In addition to the previous notes, Rensselaer County Soil & Water Conservation District/NRCS along with MS4 Communities has held training sessions for engineers, contractors and building inspectors on the Stormwater Prevention Plan, requirements and regulations. The City of Troy is trying to review, develop and implement a program to control construction site runoff. Measures include legislation on erosion and sedimentation control plus waste management on construction sites.

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	YES	NO	
REQUIREMENTS			
Require erosion and sedimentation controls through an ordinance or other regulatory mechanism	X		Currently, the City does not have written ordinances or regulations for sedimentation controls at construction sites. However, during review of construction plans, the planning board/ engineer does seek to ensure the contractor has included erosion control measures in construction plan. Rensselaer County joined with CDRPC and other regional counties in two training sessions for public officials with sessions on Water Quality issues to educate the Officials on the issues and provide training to planning boards on site plan review with an eye for storm water/erosion control.
Provide opportunity for public comment on construction plans	X		Over the next several years, the City will develop written legislation to require erosion and sedimentation control in construction plans.
Require construction site plan review	X		The City of Troy currently provides the public with the opportunity to comment on construction plans.
Require overall construction site waste management	X		The City planning board along with engineering currently reviews construction plans.
			Currently, the City does not have written ordinances or regulations for waste management at construction sites. However, during review of construction plans, the planning board/engineer does seek to ensure the contractor has included waste management measures in construction plans.
			Over the next several years, the City will develop written legislations to require construction site waste management.

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	YES	NO		
Site inspection and enforcement	X		The City’s code enforcement conducts site inspections and enforcement. Rensselaer County MS4 Communities started reviewing draft Local Law to create a consistent law across community boundaries.	
Education and training of construction site operators	X		A 20-minute training video is being reviewed, which touches most aspects of the SWMP for the City. Rensselaer County Soil & Water Conservation District/NRCS held training sessions for engineers, contractors and building inspectors on Stormwater Prevention Plan Requirements and Regulations	
ADDITIONAL PRACTICES				
	X		Rensselaer County MS4 Communities started discussing the make-up off the intermunicipal agreement.	

MINIMUM MEASURE 5: Post-Construction Stormwater Management

A. The City of Troy will develop a program to address post construction site runoff. The City has identified structural and non-structural BMP's to reduce pollutant discharge. These BMP's will be included in the City's written legislation to help aid in controlling construction site runoff. Site inspections will occur indefinitely. Discussions have occurred in the MS4 Communities of Rensselaer County, which inquired about the methods each community used to provide maintenance to stormwater management facilities.

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	YES	NO	
REQUIREMENTS			
Assess existing conditions throughout the MS4 and identify appropriate management practices to reduce pollutant discharge to the maximum extent practicable	X		The City has identified appropriate BMP's to reduce pollutant discharge for post-construction sites. BMP's include silt fencing, construction phasing, vegetative buffering, storm drain inlet protection, and locations of soil stockpiles.
Regulate post-construction runoff from development through an ordinance or other regulatory mechanism		X	Currently there are no written ordinances to regulate post construction runoff. Code enforcement through inspection ensures that post-construction site runoff does not occur.
Develop management practice inspection and maintenance program	X		Inspections conducted by code enforcement are currently in place. However, during the development of the ordinance, the City will review inspection/maintenance procedures to ensure it meets requirements to regulate post construction runoff.
			Over the next several years, the City will develop written legislation to regulate post construction site runoff control.
			Rensselaer County MS4 Communities discussed the methods used by each community to provide maintenance to stormwater management facilities to see what worked in their communities.

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	YES	NO		
ADDITIONAL PRACTICES				
	X		Rensselaer County MS4 Communities started reviewing draft Local Law to create a consistent law across community boundaries.	

MINIMUM MEASURE 6: Pollution Prevention/Good Housekeeping

A. The City of Troy will conduct pollution prevention measures through the continual municipal operations, which include street cleaning/flushing, catch basin inspection/cleaning, spill response/prevention and citywide recycling program. The City will use NYSDEC NPS Management Practices catalog as a guide for pollution prevention measures. The city will also investigate municipal operations such as storage of road salt, soil, fertilizers and chemicals to address any discharge of such materials.

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	YES	NO	
REQUIREMENTS			
Prevent discharge of pollutants from municipal operations	X		The City continually reviews municipal operations such as storage of road salt, topsoil, fertilizers; chemicals etc. to ensure proper pollution prevention measures are being taken.
Follow DEC NPS management Practices catalog, or equivalent	X		The City will use DEC's NPS Management Practices Catalog as a guide for pollution prevention measures.
Conduct employee pollution prevention training	X		The City conducts safety training for employees/operators, which includes spill prevention, chemical storage and handling, etc.
ADDITIONAL PRACTICES			

SECTION VII. Monitoring and Modeling Results

NO DATA

SECTION VIII. Summary of Funding and use of Grant Money

The City of Troy and the MS4 Communities of Rensselaer county have jointly applied for grant funding from DEC. However, as of date, the City has not received notification of award.

APPENDIX A

Minutes From Public Meeting

On May 12, 2005, 2:00 PM, NeilBonesteel, CWPO, and Chris Wheland, Assistant operations Manager, presented the Stormwater Management Program (SWMP) for the City of Troy at City Hall.

Presentation included the following topics:

- Stormwater runoff
- Pollutants associated with stormwater runoff
- Effects of stormwater runoff
- Objective of SWMP
- Overview of Six Minimum control Measures

See copy of presentation at www.troyny.gov/public_utilities/SWMP/SWMPPres050504.pdf.